

ABSTRACT OF THE DISCLOSURE

A data communication method for receiving digital data on a data terminal includes receiving data pulses having a first pulse separation to represent a first logical data value and a second pulse separation to represent a second logical data value, generating a voltage ramp signal, resetting the voltage ramp signal a first delay after the leading edge of each data pulse, regenerating the voltage ramp signal a first time period after the resetting of the voltage ramp signal, detecting the voltage value of the voltage ramp signal at the leading edge of each data pulse, and generating a data output signal associated with each data pulse. The data output signal has a first logical state when the voltage value of the voltage ramp signal is less than a threshold value and a second logical state when the voltage value of the voltage ramp signal is greater than the threshold value.